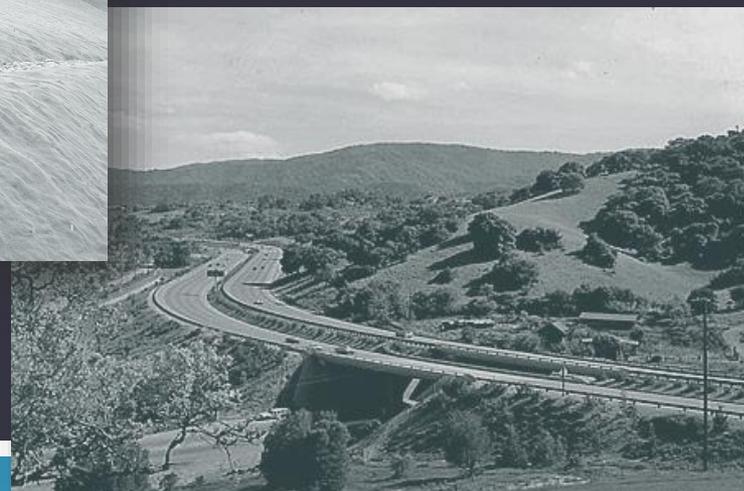


LANDSCAPE & EROSION CONTROL

2015 CONTRACTOR MEETING



Caltrans HQ Landscape Architecture Program

Caltrans Contractor Meeting



Welcome

GROUND RULES

“Quick rules for an effective meeting”

Keith Robinson, Caltrans HQ Design

Principal Landscape Architect

AGENDA REVIEW

“Review Agenda and expected outcomes of today’s meeting”

Lisa Worthington, Caltrans HQ Design
Landscape Architect

DBE

“Understanding DBE Changes that Effect You”

Phillina Lyles, Caltrans HQ Construction

Labor Compliance Program Manager

Handout #1 – 5 documents

- DBE “Program Revisions” (February 2015)
- DBE “Inquiries Referral Guide”
- Form CEM-2406 “Monthly DBE Payment Sheet”
- Form DES-OE-0102.10D “DBE Commitment”
- Form DES-OE-0102.11A “DBE Good Faith Efforts”

What is a DBE?

- A Disadvantaged Business Enterprise (DBE) is a **for-profit**, small business concern that is at least **51%** owned by one or more individual(s) who are **both** socially and economically disadvantaged
- The management and daily business operations of a DBE business **must be controlled by one or more** of the socially and economically disadvantaged individuals who own it
- Reference: 49 CFR, Part 26

Revised DBE Regulations

- October 3, 2014 the U.S. DOT issued revised DBE regulations **to improve implementation** of the DBE Program
- **Effective** November 3, 2014
- **3** major areas of improvement

Three Major Areas of Improvement

1. **Revised** forms for certification, data collection and reporting required by Moving Ahead for Progress in the 21st Century (MAP-21); Section 1101(b)(4).
2. **Strengthen** certification-related program provisions, includes new provisions authorizing summary suspensions.
3. **Modify** provisions concerning overall goal setting, good faith efforts, transit vehicle manufacturers and counting for trucking companies.

Uniform Report of DBE Awards or Commitments and Payments

1. Further Breakdown of Participation by Minority Women Owned Businesses
 2. Actual “Real Time” Payment Data for Ongoing Contracts
- Revised Construction & Office Engineer (OE) Forms:
 - CEM 2406 Monthly DBE Payment
 - OE 0102.10D DBE Commitment
 - OE 0102.11A DBE Good Faith Efforts

Revisions to 2010/2015 Standard Specifications

- Counting DBE Participation 2-1.12A General
- DBE Commitment Submittal 2-1.12B(2)
- Evaluation of Good Faith Efforts 2-1.2B(3)
- Monthly Reporting of DBE Payments 5-1.13B(1)
- DBE Substitutions 5-1.13B(2) General

DBE Commitment Submittal

Section 2-1.1 2B(2)

- All bidders must submit the following, no later than 4:00pm on the 4th business day after bid opening:
 1. DBE Commitment form
 2. Quote from each listed DBE
 3. DBE Written Confirmation form
 4. Good Faith Effort documentation

Evaluation of Good Faith Efforts

Section 2-1.2B(3)

- Appendix A – Good Faith Efforts Guidance
 1. Bidder's efforts to identify and solicit DBEs
 2. Bidder's efforts to negotiate in good faith with interested DBEs
 3. Caltrans must consider the performance of other bidders in meeting the contract goal as part of an evaluation of good faith efforts

Caltrans DBE Program

- Office of Business and Economic Opportunity (OBEO)
- <http://www.dot.ca.gov/hq/bep/>
- Phillina Lyles, Office Chief/Labor Compliance
Phone: (916) 654-3501
E-mail: phillina.lyles@dot.ca.gov

LABOR & EQUIPMENT

“Understanding Labor and Equipment Rental Rates”

John S. Rodriguez, Caltrans HQ Construction

Office of Contract Administration

Handout #2 - Calculation Sheet 1

California Department of Transportation Force Account Equipment Rate Calculation April 1, 2014 until March 31, 2015

- Force Account /CCO
- “Equipment Rate Calculation”

Act# 04-3A23U4				02/06/2015		
TRUCK MTD.						
Current	Calc Yr	2012	Cost Yr	2012		
Yr.	Calc PPI	200.7	Cost Yr PPI	200.7		
Basic Cost	\$118,000.00	Cost of Extras	\$0.00	HP	176	
Total Cost (incl. shipping+tax)			\$128,784.00			
					Salvage	0.20
					Maj. Repair	0.20
					Use Result	6
					Dep Result	4
					Int Rate	0.0194
					Weight	9,600
					Discontinued Yr	15

Ownership Costs

Major Repair	$Cost * (1 - Salvage) * Major\ Repair * Calc\ Year\ PPI$	=	\$19.51
Overhaul Cost	$Use\ Result * 176\ hrs/mo * CY\ PPI$	=	
Depreciation	$Cost * (1 - Salvage)$	=	\$24.39
Cost	$Use\ Result * 176\ hrs/mo * Dep\ Result$	=	
Facilities	$((Dep\ Result - 1) * (1 + Salvage) + 2) * Cost * Int$	=	\$1.65
Capital Cost	$2 * (Dep\ Result) * (Use\ Result * 176\ hrs/mo)$	=	
Total Ownership Costs			\$45.56

Fuel Fact (hi/low)	0.148 / 0.247	HIGH	Load Fact	1
Lube Lab Adj (hi/low)	0.150 / 0.250		Oil Lube Fact	1
Fld Rep Labor Adj (hi/low)	0.149 / 0.248		Field Rpr Fact	0.5

Handout #2 - Calculation Sheet 2

California Department of Transportation Labor Surcharge Determination

CONTRACT INFORMATION

10/8/2012

EA 4-

■ “Labor Surcharge Determination”

p. (CARPENTRY)

WAGE RATE INFORMATION	Regular Time (RT)	Over Time (OT)
Basic Hour	\$38.50	\$57.75
Health Welfare	\$10.05	\$10.05
Pension	\$8.70	\$8.70
Vacation	\$4.05	\$4.05
Training	\$0.63	\$0.63
Other	\$2.39	\$2.39
Loaded Wages	\$64.32	83.57
Insurance/Taxes		
Workmans Compensation	28.15 %	N/A
TRNG(State Training)	0.1 %	0.1%
Medicare	1.45 %	1.45%
Social Security (FICA)	6.2 %	6.2%
Federal Unemployment Insurance (FUI)	0.8%	0.8%
State Unemployment Insurance (SUI)	5.4%	5.4%
Regular Time Calculated Surcharge		

Handout #2 - FAQ

■ “FAQ”

- Who can we contact regarding rental rates?
- How long does it take to get a rental rate generated?
- What is current fuel price that is assumed for equipment?
- Will the book be published earlier if diesel \$ go up/down?
- How is the labor surcharge determined?
- I have a non-Caltrans job, but they are using Caltrans rates – can I get a rate code added?
- Why are rental yard rates so much higher than what Caltrans is paying me for the equipment?
- What does Caltrans include in the rental rate?

Handout #2 – Resource link

CALTRANS DIVISION OF
CONSTRUCTION



Caltrans > Business > **Construction Home Page**

■ <http://www.dot.ca.gov/hq/construc/>



The Division of Construction is a results driven engineering organization that prides itself on timely project completion. We recognize that time is money for owner, contractor, and the public.

Currently Caltrans has **599** ongoing construction contracts valued at **\$11.26B** (last updated 02/23/15)

Contract Administration

- [California Statewide Crude Oil Price Index](#)
- [Equipment Rental Rates and Labor Surcharge](#)
- [Miscellaneous Equipment Rental Rate Information](#)
- [Notices and Additional Information](#)
- [Statement of Ongoing Contracts](#)
- [Working Days Calendars Through the Year 2020](#)
- [DIR Debarred Contractors](#)

Questions?

- Contact Information

John S. Rodriguez, Sr. Transportation Engineer

Phone: (916) 654-2497

E-mail: john.rodriguez@dot.ca.gov

Caltrans Contractor Meeting

Break (10 min)

ECONOMIC FORECAST

“Economic forecast and mega-trends”

Keith Robinson, Caltrans HQ Design

Principal Landscape Architect

Historical Construction Work

Peak \$ Last 7 Years		
2007/8	601 Projects	\$11.0B
2008/9	652 Projects	\$9.6B
2009/10	725 Projects	\$9.9B
2010/11	814 Projects	\$11.0B
2011/12	743 Projects	\$11.2B
2012/13	663 Projects	\$12.6B
2013/14	712 Projects	\$12.2B

Looking Back (SHOPP Funding)

Capital Only

Fiscal Year	Roadside Safety Improvements 235	Highway Planting Rehabilitation 210	Storm Water Mitigation 335	Emergency Funds 131
07-08	\$0	\$11,871,000	\$71,900,000	
08-09	\$2,000,000	\$9,132,000	\$42,382,000	
09-10	\$1,947,000	\$2,718,000	\$30,408,000	
10-11	\$3,599,000	\$2,600,000	\$1,182,000	
11-12	\$2,400,000	\$0	\$76,733,000	
12-13	\$11,333,000	\$0	\$128,914,000	
13-14	\$12,850,000	\$6,900,000	\$85,300,000	\$48,000,000
Annual Average	\$4.9 M	\$4.7M	\$79.1M	

Looking Forward (SHOPP Funding)

Capital Only

Fiscal Year	Roadside Safety Improvements <small>235</small>	Highway Planting Rehabilitation <small>210</small>	Storm Water Mitigation <small>335</small>	Director's Orders (Drought Response) <small>131</small>
14-15	\$35,347,000	\$0	\$64,540,000	30M
15-16	\$22,603,000	\$0	\$87,405,000	?
16-17	\$90,000,000	\$7,000,000	\$90,000,000	?
17-18	\$90,000,000	\$7,000,000	\$90,000,000	?
Average Annual	\$59.5M	\$3.5M	\$82.9M	

SHOPP Funding

Highway Planting and Erosion Control	Historical Annual Average	Future Annual Average	FUTURE
Roadside Safety Improvements	\$4.9M	\$59.5M	
Highway Planting Rehabilitation	\$33.2M	\$3.5M	
Storm water Mitigation	\$79.1M	\$82.9M	
Safety Roadside Rest Area Rehabilitation	\$0	\$11M	
New Safety Roadside Rest Areas	\$0	\$0	
Emergency Work	\$40M	\$30M	

*Essential Landscaping

Governor's Declaration on January 17, 2014 Drought State Of Emergency

Year	In Design Phase (Planting, Erosion Control and Storm Water)	Value	In Construction Phase	Value
2014/15	130	\$135.9M	337	\$897.2M

*Projects with Planting moving from Design to Construction phase

ACTION ITEM RECAP

“2014 Action Item Recap and Responses”

Lisa Worthington, Caltrans HQ Design

Landscape Architect

Action Item Update

Action Item	Status	Outcome/Impact
Rock Blanket constructability?	✓	Revised Standard Plan Reduced 12" concrete foundation Specified total excavation depth
EC installed earlier for vegetative growth?	✓	Piloted 5 projects (District 2 – Redding) “Erosion Control Establishment”
E-bid resources?	✓	E-bidding link Chris Rice (916) 227-6235 Chris.Rice@dot.ca.gov

Electronic Bidding: Caltrans Resources

- Electronic Bidding Webpage:
 - http://www.dot.ca.gov/hq/esc/oe/electronic_bidding/electronic_bidding.html
- Electronic Bidding FAQ:
 - http://www.dot.ca.gov/hq/esc/oe/electronic_bidding/oe_electronic_bidding_faq.php
- Electronic Bidding Contact:
 - Chris Rice (916)227-6235 or Chris.Rice@dot.ca.gov
- Electronic Bidding Guide:
 - http://www.dot.ca.gov/hq/esc/oe/docs/ebid_guide.pdf

Action Item Update

Action Item	Status	Outcome/Impact
HydroStraw as a standard option?	✓	HydroStraw is proprietary
Minimize Contractor liability for damage due to traffic hits?	✓	Legal = no changes are proposed
Can State reimburse Contractor from State's insurance?	✓	5-1.39 Liability Caltrans cannot draw from policy

OPEN FORUM

“Open Forum Discussion/Contractor-led”

STANDARDS

“Transition to 2015 Construction Contract Standards”

Lisa Worthington, Caltrans HQ Design

Landscape Architect, Associate

2015 Standards

- Correcting errors in the 2010
 - “Grammar, Duplicate, Conflicts”
- Incorporating REVISED Standard Specification
- Incorporate proven SPECIALS (SSPs)
- Convert all sections to 4-part formatting
 - “General, Materials, Construction and Payment”
- 2015 Standards will be used on Construction Contracts next year

Draft 2015 Standards – “for information only”

■ http://www.dot.ca.gov/hq/esc/oe/construction_standards.html

CA.GOV California Department of Transportation Office Engineer

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Contract Awards & Services Construction Contract Standards Contractor's Corner Guidance

Home → Construction Contract Standards

Construction Contract Standards

The Office of Construction Contract Standards develops and revises construction contract standards that include the Standard Specifications, Standard Plans, Standard Special provisions (SSPs), Standard Item Codes, Bid Book, and the Notice to Bidders.

GENERAL INFORMATION

- Construction Contract Standards Instructions
- Email List Server
- 2015 STANDARDS-DRAFT**
 - Read Me
 - 2015 Standard Specifications (For Information Only)
- 2010 STANDARDS

CODED CONTRACT ITEMS

- Read Me
- 2010 Bid Items (Alphabetical)
- 2010 Bid Items (Numerical)
- Standard Contract Items, Department-Furnished Materials, and Supplemental Work Items

CONTRACT STANDARDS ARCHIVES

- 2006 Standards

New Specifications

Specification	Details
1. Plant Establishment (Minimum Value)	<ul style="list-style-type: none">▪ Sets the minimum “floor”▪ Item bid can be = > but < is “non-responsive”▪ Use for periods > 1 year▪ AGC, SCCA, UCON buy-in <p>2010 SSP 2-1.09 and a Special Notice “The item total for plant establishment work must be at least _____”</p>

Caltrans Contractor Meeting



Break (10 min)

DROUGHT RESPONSE

“Director’s Orders/ Emergency Contracts - Best Practices”

Keith Robinson, Caltrans HQ Design

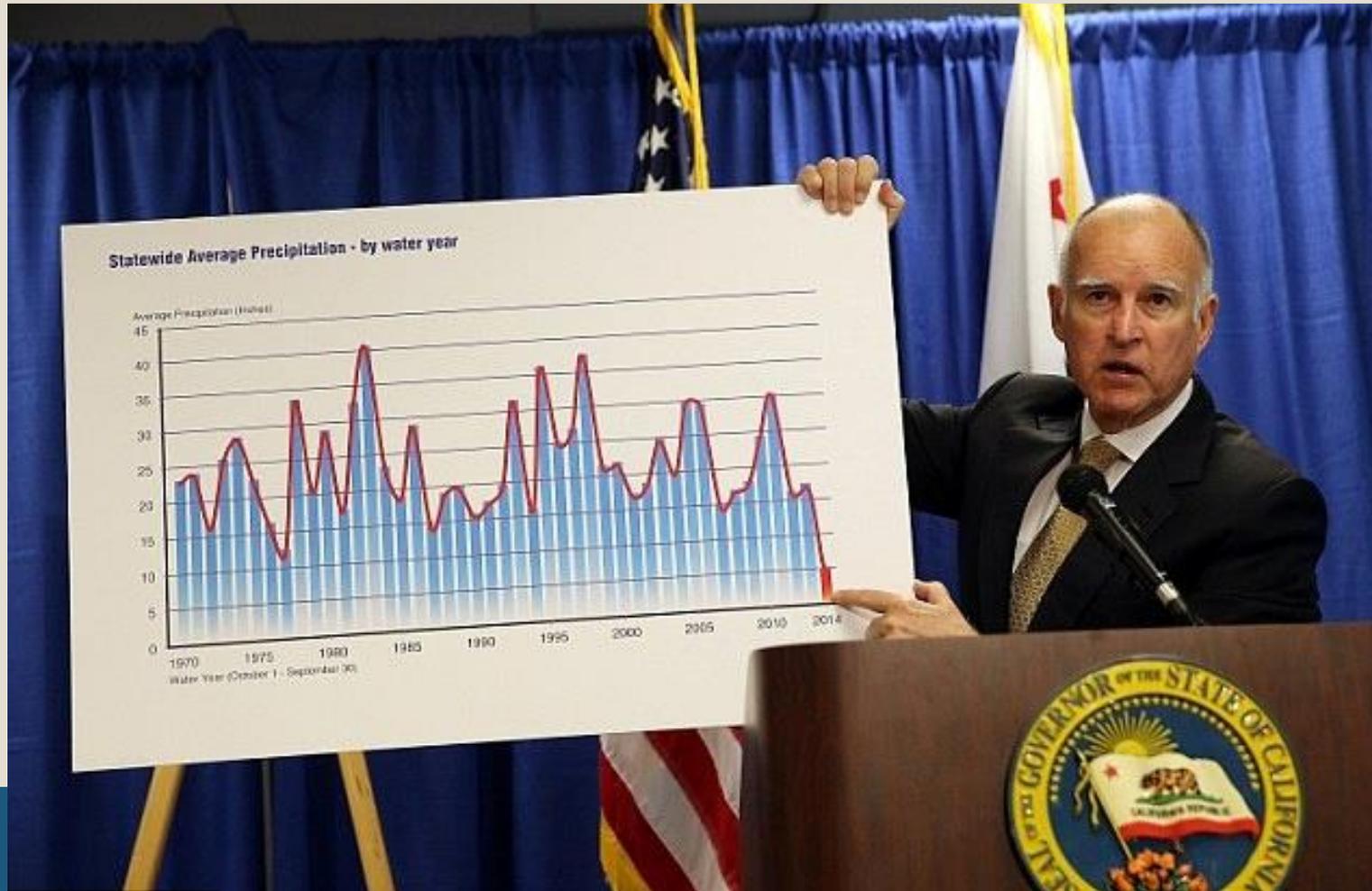
Principal Landscape Architect

Caltrans Drought

Response



Drought Declaration



Sierra Snowpack



Jan 2013

Jan 2014

Lake Oroville

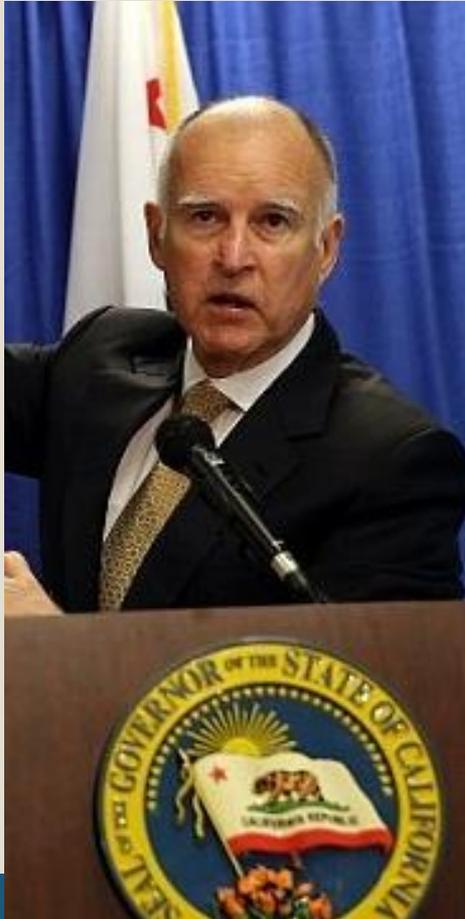


2011

2014

Drought Declaration

CALIFORNIA DROUGHT RESPONSE



Conservation

Restrict access to water

Transfer water to stricken areas

Increase recycled water use

Increase ground water pumping

State Departments Water Use

19.6 B GALLONS - 2014



CORRECTIONS
41% (8.1 B g)



CALTRANS
38% (7.4B g.)



PARKS
2% (0.5 B g.)



**ALL OTHER CA
DEPARTMENTS**

Caltrans Drought Action Plan

DIRECTORS ORDERS



Year	Project number	Total Value	Percentage Complete
2014	35	\$47,948,970	95
2015	15	\$26,285,741 +	0

Caltrans Drought Action Plan

IRRIGATION REPAIR



Caltrans Drought Action Plan

INSTALLATION OF SMART CONTROLLERS



Installed 1,250 Smart
Controllers



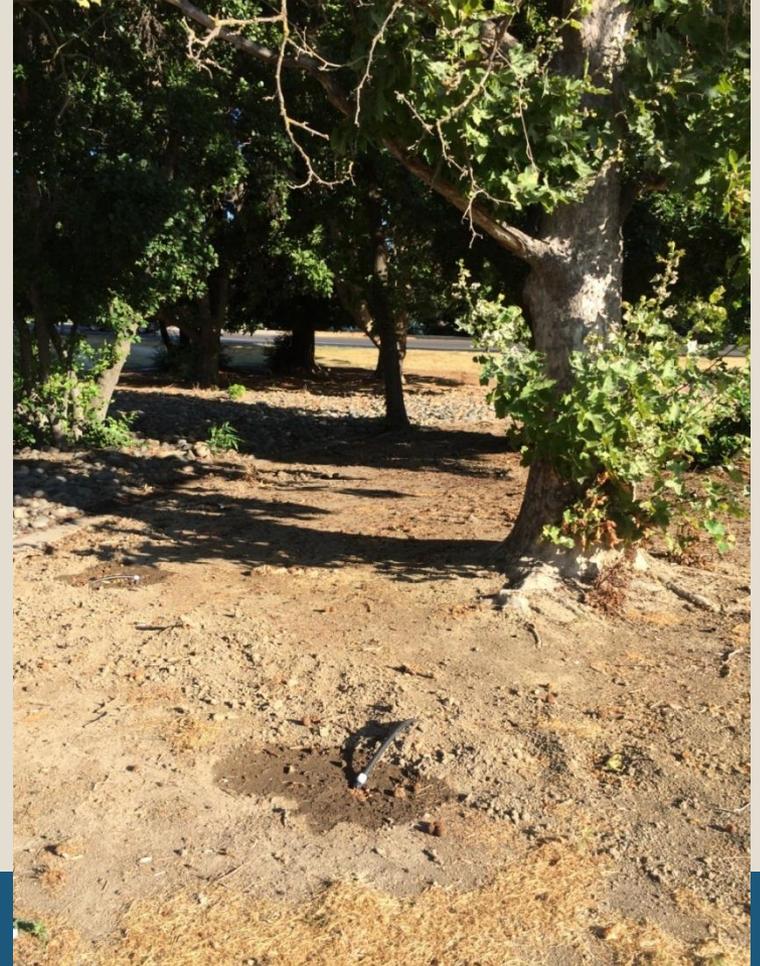
Caltrans Drought Action Plan

PROGRAMMING SMART CONTROLLERS



Caltrans Drought Action Plan

IRRIGATION MODIFICATION



Caltrans Drought Action Plan

RECYCLED WATER UPGRADES



Caltrans Drought Action Plan

RECYCLED WATER SIGNS



“USING RECYCLED WATER” (S28(CA)) sign.



Caltrans Drought Action Plan

MULCHED TREES



Caltrans Drought Action Plan

TRACKING WATER USAGE



Year	Usage (Billion Gallons)
2010	6.96
2011	6.40
2012	7.52
2013	7.41
2014	4.99

Conclusion

NEXT STEPS



- **Strive to meet Governor's and Director's H2O Conservation goals**
- **100% of Irrigation systems on Smart Controllers**
- **Accurate water use reporting**
- **Continue to improve irrigation systems and staff skill**
- **SHOPP and Director Order funding will continue**
- **Improve sustainable roadside design guidance**

Pray for rain



Caltrans Drought Response



**Elevation of San Joaquin
Valley 1930**

**Elevation of San Joaquin
Valley 2014**

SUMMARY AND EVALUATION

“Summarize meeting & identify action items”

Lisa Worthington, Caltrans HQ Design

Landscape Architect

ADJOURN

“Closing remarks”

Keith Robinson, Caltrans HQ Design

Principal Landscape Architect